HyTemp™ ACM

HyTemp™ 4053EP

Product Specification
Date Issued: 08/01/02
Supersedes: 09/30/99

Description: HyTemp 4053EP contains acrylic esters with a small percentage of a chlorine/carboxy cure site monomer. Vulcanizates have excellent low temperature, oil, heat and compression set resistance.

Packaging: Standard unit is a 1600 lb. (725.76 Kg) cell box containing thirty-two 50 lb. (22.68 Kg) bales.

Specification	Min.	Max.	Target	Zeon Test Procedure No. (1)
Polymer Properties				
Heat Loss (%)	0.0	0.5	0.2	1339
Ash (%)	0.00	0.5	0.25	873 (ASTM D-1416)
Mooney Viscosity ML (1+4) @ 100°C (unmassed)	23	31	27	404 (ASTM D-1646)
Glass Transition Temp. (°C)	-40.6	-33.7	-37.1	1273
Gel (%)	0	20	4	1251
Test Recipe Properties				1229
ODR (1)				1148
M_L (lbf·in)	5.4	9.8	7.6	
M_H (lbf·in)	17.4	28.0	22.7	
t_S1 (min)	0.2	0.8	0.5	
$t'90$ (min)	1.8	10.1	6.0	

Special Notes:
Refer to the appropriate MSDS for safety, storage and handling instructions.
(1) ASTM D-2084
(2) Shelf Life – retest critical parameters 2 years after date of manufacture.

Reason for Issue: 1) Update Heat Loss target from 0.3 2) Update Ash target from 0.2 3) Update Tg from –37 (-40 to –34) 4) Update Gel target from 10 5) Update Rheometer limits: M_L from 23.2 (18.4 – 28.0); t_S1 from 0.5 (0.2 – 0.7); $t'90$ from 5.7 (1.5 – 9.8)

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